

Abstract of the Disclosure

In order to realize a practical data warehouse system with the use of a network in a distributed environment, for example, data collectors (101 and 102) for creating/managing each replica of server data for clients (103 and 104) as shown in Fig.1 are connected to a network (113). A data collector holds a data request condition given from a user via a client and negotiates with a server (114, 122) which supplies data according to such resources as a storage unit, a CPU, etc. usable by the data collector, thereby the range and quality of the data for which a replica is to be created can be adjusted. For ~~a~~ query processing^a, part or the whole of a query from a client is processed with the use of a replica (123) created in the data collector. Queries which cannot be processed with any replica in the data collector are transferred to the server.

~~Because a replica created in the data collector can~~^{A9}
be used to process a query from a client^{denied a} such way, the server load can be reduced.